



Industrial Lubricants



Automotive Lubricants



Biodegradable Lubricants



Agricultural Lubricants



Cleaning & Maintenance



Greases & Pastes



Foodsafe Lubricants



Heritage Oils



Lubrication Equipment



Metalworking Fluids



Pencool S800

Low Foaming Semi Synthetic Metalworking Fluid

Product Code: AH8

Product Description

Pennine Pencool S800 is an advanced, chlorine free, biostable, semi-synthetic soluble metalworking fluid. It has been designed to tackle the major problems associated with the use of extreme pressure semi-synthetic coolants in soft water areas, particularly foaming and fungal problems. It is an inherently low foam product and also incorporates a non depleting antifoam agent as well as a combination of effective modern fungicides. Pencool S800 is a nitrite free, non-phenolic, low odour product based on solvent refined mineral oil which inhibits the staining of various non ferrous metals including copper and aluminium, and their alloys.

Applications

Pennine Pencool S800 is suitable for a wide range of applications, but is particularly suited to grinding operations where extra lubricity is required, where full synthetic coolants fail to provide adequate machine tool lubrication. The high inherent detergency within Pencool S800 helps to maintain a free and open grinding surface and gives effective flushing of fines preventing caking and blocking of coolant channels. It is particularly suited to applications in soft water areas or operations which are normally prone to foaming as it has an exceptionally low foaming potential.

Features & Benefits

- Exceptional detergency ~ Maintains machine cleanliness
- Highly biostable ~ Extended sump life / fewer fluid changes
- Very low foaming in soft water ~ Reduced need for antifoam additions
- Low odour emulsion ~ Excellent operator acceptability
- Chlorine free ~ Reduced disposal costs

Typical Test Data

Characteristic / Test	Data
Appearance (concentrate)	Brown
Appearance (emulsion)	Semi - Translucent
Specific Gravity @ 15°C	1.01
pH @ 5%	9.2
IP 287 Breakpoint Corrosion	2.0 %
IP 125 Herbert Corrosion Test	No Data
Dilution Range (min ~ max)	4 ~ 8 %
Refractometer Conversion Factor	1.61
Water Hardness Range ppm CaCO3 (min ~ max)	50 ~ 400

Actual dilution rates may vary depending on application. Please consult with Technical Services to determine the most suitable dilution for your application.





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Coolant Care

To promote maximum service life, it is strongly advised that coolant systems are thoroughly sterilised with Bioflush System Cleaner prior to coolant changes (see Bioflush Technical Data Sheet for further information and guidelines).

To maintain the efficiency of the coolant, daily checks for concentration with a hand refractometer is recommended. Maintaining a consistent concentration is paramount to prolonging the fluid sump life. Further tests for bacteria, fungus, pH and tramp oil contamination are available through our PROCARE Fluid Management Service and helps users to comply with current HSE legislative requirements. Please contact us for further details.

Availability & Storage

Pennine Pencool S800 is available in 1000 litre IBC's, 205 litre barrels, 25 litre drums and 5 litre plastic bottles.

Barrels of lubricant should always be stored in such a way that will prevent the ingress of water when stored in the open. Protect from frost.

Health and Safety

Please refer to the relevant Safety Data Sheet, a copy of which is freely available to all our customers.

Data represented is typical of that obtained with normal production tolerances and does not constitute a specification. The policy of Pennine Lubricants is one of continual improvement; we therefore reserve the right to change specifications without notice.